MY Homework

Homework Helper

eHelp

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The circus had an attendance of 7,245 people in the bleachers and 1,877 people in the box seats for the Friday night show. How many people attended the circus altogether?

Find 7,245 + 1,877.

Estimate 7,200 + 1,900 = 9,100

1 **Add the ones.**

5 ones + 7 ones = 12 ones
Regroup 12 ones as 1 ten and 2 ones.

2 **Add the tens.**

1 ten + 4 tens + 7 tens = 12 tens
Regroup 12 tens as 1 hundred and 2 tens.

$$\begin{array}{r} 1\ \ 1\ \ 1 \\ 7,2\ 4\ 5 \\ +\ 1,8\ 7\ 7 \\ \hline 9,1\ 2\ 2 \end{array}$$

3 **Add the hundreds and thousands.**

1 hundred + 2 hundreds + 8 hundreds = 11 hundreds
Regroup 11 hundreds as 1 thousand and 1 hundred.
1 thousand + 7 thousands + 1 thousand = 9 thousands

Check for reasonableness.

9,122 is close to the estimate of 9,100.

The answer is reasonable.

7,245 + 1,877 = 9,122.
On Friday night, 9,122 people attended the circus.

Practice

Add. Check for reasonableness. **1–2. See students' estimates.**

1.

	1		
4,	0	9	1
+ 2,	2	3	8
6,	**3**	**2**	**9**

2.

	1	1	1
$ 5,	0	4	5
+ $ 3,	9	9	9
$ 9,	**0**	**4**	**4**

Add. Check for reasonableness. **3–5. See students' estimates.**

3.

	1	1	
2,	0	8	8
+ 6,	3	4	6
8,	**4**	**3**	**4**

4.

	1		1	
4,	4	6	3
+ 4,	8	1	9
9,	**2**	**8**	**2**

5.

	1		1	
3,	8	6	6
+ 4,	7	2	7
8,	**5**	**9**	**3**

6. Use the Commutative Property to check your answer to Exercise 3.

$$6,346$$
$$+\ 2,088$$
$$\overline{\mathbf{8,434}}$$

Algebra Add to find each unknown.

7. $7,028 + 2,578 = \blacksquare$ **8.** $5,724 + 2,197 = \blacksquare$ **9.** $4,999 + 4,265 = \blacksquare$

	1	1	
7,	0	2	8
+ 2,	5	7	8
9,	**6**	**0**	**6**

	1	1	
5,	7	2	4
+ 2,	1	9	7
7,	**9**	**2**	**1**

1	1	1	
4,	9	9	9
+ 4,	2	6	5
9,	**2**	**6**	**4**

The unknown is __9,606__.   The unknown is __7,921__.   The unknown is __9,264__.

Problem Solving

10. Mathematical PRACTICE 2 Use Algebra Rachael ran 3,012 meters on Monday and 5,150 meters on Wednesday. How many meters did she run altogether? Write a number sentence with a symbol for the unknown. Then solve.

◻ total meters
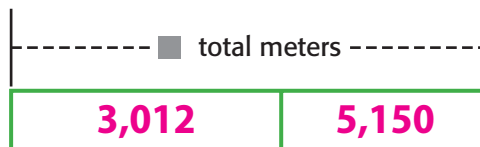
3,012	5,150

$3,012 + 5,150 = \blacksquare$; **8,162 meters**

Test Practice

11. Mr. Shelton worked 1,976 hours one year and 2,080 hours the next year. What is the total number of hours Mr. Shelton worked in those two years?

Ⓐ 3,056 hours   © 4,156 hours

Ⓑ 3,956 hours   **Ⓓ 4,056 hours**